

2 April 1968

MEMORANDUM FOR THE RECORD

SUBJECT: The Research and Development Categories in TOD - Problems and Proposals.

1. In the initial TOD effort the decision was made to place Research and Development resources for intelligence in the non-targeted functional categories. These categories also included Investigative Activities and General Support. The reasoning behind this decision was to define the Research and Development program entities and the total R&D resource environment in the first phase of TOD. Once having defined the totality and its parts, it was reasoned that analysis would provide a more explicit rationale for classification and grouping the R&D resources in subcategories more closely related to the existing TOD targeted functions and subfunctions.

2. As we near completion of the first phase of TOD, the fact is that we can improve considerably upon our handling of the R&D resources in TOD. Such improvements can involve relating the R&D resources to the functional categories and subcategories as well as relating them to target objectives. For example, over [redacted] in the CIP, NRP, CIAP and Intelligence Resources in DOD Program VI are in the TOD R&D categories. A very large number of the individual projects which are carried in these program entities can be directly related to both target objective and intelligence function, i.e., Collection, etc.

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3. Another possibility for consideration is classification of the R&D resource function in the present DOD classification system. The basic categories of R&D in the DOD system are (1) Research, (2) Exploratory Development, (3) Advanced Development, and (4) Engineering Development. Additional categories consider the special needs of (1) nuclear testing and test detection, (2) space development projects, and (3) management support. An attachment to this memo provides a definition of the DOD R&D categories.

4. In summary the second phase of TOD development should consider the following changes in R&D category: (1) relating R&D to intelligence functional groupings and functions within groupings, (2) target orienting R&D resources in the Engineering Development and perhaps the Advanced and Exploratory Development phases, (3) relating specific Research and Development intelligence systems to TOD program entities targeted against the same objectives.

Proposed Handling of R&D in TOD

Foreign Intelligence

Collection

Sub Function

R&D

Processing

Sub Function

R&D

Production

R&D

MC&G

Sub Functions

R&D

CI

R&D

General Support

Sub Functions to include R&D
(at Research Level)

Attachment

As Stated


Executive Secretary
TOD Committee

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The following are the DOD definitions for the R&D categories:

1. Research: Basic research projects with the objective of advancing our knowledge in a balanced manner across the entire spectrum of science and technology pertinent to the defense effort. Research projects are generally grouped in terms of disciplines, i.e., materials, general physics, chemistry, etc.

2. Exploratory Development: Exploratory Development is directed toward the expansion of the technological knowledge and its exploitation in the form of materials components and devices which it is hoped will have some useful application to new military weapons and equipment.

3. Advanced Development: Advanced Development includes projects which have advanced to a point where the development of experimental hardware for technological and operational demonstration is needed prior to the determination of whether the item should be designed or engineered for eventual service use.

4. Engineering Development: This category includes those projects being engineered for the services operational use but which have not yet been approved for production and deployment.